

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 12/24/2019 09:47 AM
Cytometer Baseline: 10/08/2019 01:46 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125577	0	1.92	125685	1.93
Blue	F	SSC	125000	125004	0	1.58	125786	1.54
Blue	E	FITC	16433	16097	-3	2.72	351	19.47
Blue	D	PE	27595	27315	-2	1.97	596	14.08
Blue	B	PerCP-Cy5-5	43183	42984	-1	3.70	1158	19.84
Blue	A	PE-Cy7	31943	32128	0	5.96	612	40.76
Red	C	APC	42819	42384	-2	2.40	1497	12.12
Red	A	APC-Cy7	31261	30715	-2	2.32	813	11.59
Violet	B	V450	6527	6320	-4	4.89	354	13.00
Violet	A	V500	24533	23628	-4	4.71	549	10.72

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18006	10.28	613	13	N/A	N/A	Pass
Blue	F	SSC	56901	1.16	554	6	N/A	N/A	Pass
Blue	E	FITC	64	62.06	540	1	0.0212	111	Pass
Blue	D	PE	123	50.02	537	3	0.2018	360	Pass
Blue	B	PerCP-Cy5-5	213	48.73	650	8	0.0096	60	Pass
Blue	A	PE-Cy7	114	98.20	697	8	0.0108	8	Pass
Red	C	APC	357	24.88	580	-3	0.0241	108	Pass
Red	A	APC-Cy7	179	28.66	560	-3	0.0061	1382	Pass
Violet	B	V450	54	60.89	450	-5	0.0666	2941	Pass
Violet	A	V500	82	33.14	461	-6	0.0230	675	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.13	-31.74	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	15.91	13.60 - 20.40	N/A	N/A	29.49	29.84	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10108

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments